COUNTY OF LOS ANGELES
SPECIFICATIONS
For
SHERIFF DEPARTMENT

Date: July 1, 2014

Solicitation #: RFB-IS-15200004 Requisition #: RQN-SH-14027853

For: HARDWARE – AUDIO/VIDEO EQUIPMENT

BIDDER TO COMPLETE THE FOLLOWING INFORMATION

Company Name: _____

Address: _____

Contact Person: _____

Tel. No.: _____ Fax No.: _____

E-mail address: _____

Notice:
Bidder shall state in the right hand column wherein your product offered differs, indicating performance, specific size, and/or make and model of all components when not exactly as specified. When bidder is bidding items exactly as described in the left hand column, please state "AS SPECIFIED" on the right hand column. Failure to return and fill in this form will be considered sufficient reason for rejection of your offer. Literature alone is not sufficient for consideration of your offer.

All equipment must meet California and County of Los Angeles safety requirements. The equipment shall be the latest model and shall not have been used as a demonstrator. Bidders shall submit detailed literature on the unit they propose to furnish.

REQUIREMENTS	INDICATE EXCEPTION OR STATE "AS SPECIFIED" BELOW
I. **GENERAL:** Vendor is to Furnish the following Audio/Video Recording equipment to replace obsolete and non-functioning equipment in the Polygraph Rooms as follows: **II. FEATURES AND SPECIFICATIONS FOR DIGITAL VIDEO RECORDER EVERFOCUS- MODEL# EPARA264 -16X4/8T OR EQUAL:** **A. FEATURES.** • 480 FPS REAL TIME RECORDING & PLAYBACK RATE FOR ALL CAMERAS AT D1 RESOLUTION. • MULTIPLE MAIN MONITORS: SEPARATELY CONFIGURED HDMI 1080i AND CGS/BNC MAIN MONITOR OUTPUTS. • CALL MONITOR: ADDITIONAL BCN OUTPUT WITH MULTIPLEX AND/OR SEQUENCE VEIWS. • SIMULATENEOUS HIGH BANDWITH RECORDING (480NTSC/400 PAL AT D1) WITH REDUCED BANDWITH REMOTE VEW STREAMING (480 NTSC/400 PAL AT CIF). • PENTAPLEX OPERATION (SIMULATENEOUS LIVE VIEW, RECORDING, PLAYBACK, ARCHIVING AND REMOTE VIEWING). • FREE EVERFOUCUS OR EQUAL DDNS SERVICE-STATCIP IP ADDRESSING IS NOT REQUIRED FOR RELIABLE REMOTE ACCESS. • USER FRIENDLY GUI MENU WITH GRAPHICAL ICONS & VISUAL INDICATORS. • SUPPORTS SMARTPHONE AND PDA (BLACKBERRY/ANDROID/IPHONE) FOR MOBILE MONITORING. FREE MOBELFOCUS APP DOWNLOAD FOR IPHONE AND ANDROID.	

REQUIREMENTS	INDICATE EXCEPTION OR STATE "AS SPECIFIED" BELOW
• MULTIPLE CONTROL INPUTS: MOUSE, FRONT PANEL, IR REMOTE CONTROLLER & OPTIONAL EKB500 KEYBOARD. • BUILT-IN RECORDING TIME CALCULATOR FOR FAST RECORDING ESTIMATION. • EXPRESS SETUP: A UNIQUE MENU OPTION FOR QUICK & EASY INSTALLATION. • EXPRESS ARCHIVE: ARCHIVE VIDEO INSTANTLY (TO USB) WHILE PLAYING BACK. • EXPRESS PLAYBACK & SEARCH: SIMPLY POINT, CLICK AND DRAG THE INTUITIVE PLAYBACK BAR TO VIEW PREVIOUS RECORDINGS. • SMART SEARCH: QUICKLY IDENTIFY MOTION IN AREAS OF INTEREST FROM RECORDING DATA. • REMOTE CONFIGURATION SUPPORT FROM THE BUILT-IN WEBV INTERFACE. • GIGABIT ETHERNET INTERFACE FOR REMOTE NETWORK VIEWING & CONTROL. • ONSCREEN PTZ CONTROL VIA MOUSE OR FRONT PANEL. • AUDIO RECORDING CAPABILITIES. • BUILT-IN DVD BURNER • MULTI LANGUAGE SUPPORT • 19" RACK MOUNTABLE (EARS INCLUDED) **B. <u>SPECIFICATIONS:</u>** • **STORAGE:** 8TB • **VIDEO FORMAT:** NTCS OR PAL • **OPERATING SYSTEM:** EMBEDDED LINUX	

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• **COMPRESSION FORMAT:** H.264 • **MOBILE MONITORING:** REQUIRED • **VIDEO INPUT:** 16 LOOPING BNC • **VIDEO OUTPUT:** MAIN MONITOR 1 HDMI 1080i SINGLE OR MULTIPLE CAMERA VIEW. MAIN MONITOR 2 VGA/BNC SINGLE OR MULTIPLE CAMERA VIEW. CALL MONITOR SINGLE CAMERA FULL SCREEN. • **HDMI VIDEO OUTPUT:** REQUIRED • **AUDIO IN/OUT (RCA):** 16 IN/1 OUT • **RECORDING & PLAYBACK RESOLUTION:** a. NTCS: 704X480/PAL: 704X576 (D1) b. NTSC: 704X240/PAL:704X288(HALF D1) c. NTSC: 352X240/PAL:352X288 (CIF) • **RECORDING & PLAYBACK RATE:** a. NTSC: 480FPS/PAL: 400 FPS AT D1 b. NTSC: 480FPS/PAL: 400 FPS AT HALF D1 c. NTSC: 480FPS/PAL: 400 FPS AT CIF • **USER INTERFACE:** GRAPHICAL USER INTERFACE (GUI) MENU SETTING • **ALARM INPUTS**. ONE N.O/N.C INPUT PER BNC CAMERA INPUT • **ALARM OUTPUTS:** 4 FORM "C" RELAYS • **RECORDING MODE:** MANUAL, SCHEDULE AND EVENT • **PLAYBACK SEARCH:** BY DATE, TIME, AND EVENT • **SCHEDULE SETTING:** SUPPORTS EXPRESS AND ADVANCED SCHEDULE SETTING	

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• **MOTION DETECTION:** REQUIRED • **VIDEO PAUSE:** REQUIRED • **VIDEO LOSS DETECTION:** REQUIRED • **EVENT LOG:** REQUIRED • **WATCHDOG TIMER:** REQUIRED • **INTERNAL HDD:** 4 INTERNAL HDD (EPARA264-16X4) • **EXTERNAL HDD:** 1 ESATA, OPTIONAL EDA450 W/UP TO 4 ADDITIONAL HDD's • **DVD BURNER:** BUILT-IN SLIM TYPE • **USB:** 3 USB 2.0 (2 ON FRONT PANEL, 1 ON BACK PANEL) • **RS-232:** RECIEVE COMMANDS FROM HOST TO CONTROL DVR & POS DATA FROM POS INTERFACE. • **RS-485:** RECEIVE COMMANDS FROM HOST TO CONTROL DVR EKB500 TO CONTROL DVR, SEND OUT COMMANDS TO PTZ • **NETWORK:** GIGABIT ETHERNET/ TCP-IP/DHCP/PPPOE/DDNS/3GPP/HTTP/SMTP • **SUPPORTED PTZ PROTOCOL:** EVERFOCUS, PELCO-D, PELCO-P, SAMSUNG, TRANSPARENT • **CONTROL PTZ VIA OSD:** REQUIRED • **USER ACCESS:** LOCAL LOGIN WITH 3 USER PRIVALEGE LEVELS; REMOTE LOGIN REQUIRED • **DDNS:** FREE EVERFOCUS DDNS SERVICE.	

REQUIREMENTS	INDICATE EXCEPTION OR STATE "AS SPECIFIED" BELOW
• **POWER SOURCE.** 24VAC, 100VAC-240VAC • **POWER CONSUMPTION:** 180 W MAX. • **WEIGHT:** 10.4 kg/23lbs (WITH HDDs) • **CERTIFICATIONS:** CE,FCC,UL **III. FEATURES AND SPECIFICATIONS FOR COVERT MICROPHONE LOUROE VERIFACT D <u>OR EQUAL:</u>** **A. <u>FEATURES:</u>** • HIGH SENSITIVITY TO LOW SOUND PRESSURE. • MICROPHONE CAN PICK UP NORMAL SOUNDS FROM 15FT. AWAY. • MAY BE LOCATED UP TO 1000 FT. FROM THE BASE STATION. • PHANTOM POWERED FROM LOUROE BASE STATION. • MICROPHONE PREAMP CONTAINS SENSITIVITY SWITH FOR LOWERING GAIN. • FITS INTO SINGLE GANG ELECTRICAL BOX. • FLUSH AND SURFACE MOUNT TO WALL OR CEILING. **B. <u>SPECIFICATIONS:</u>** • **<u>TYPE:</u>** ELECTRET CONDENSOR • **OUTPUT:** LINE LEVEL (OdB @ 1Kohm) • **FREQUENCY RESPONSE:** 40 HZ TO 15KHZ <u>+</u> 1Db • **CURRENT DRAIN:** 4 Ma • **SUPPLY VOLTAGE:** 12 Vdc. • **OUTPUT IMPEDENCE**: 600 OHM UNBALANCED	

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• **DIMENSIONS (FACEPLATE):** 2 ¾" W x 4 ½" H • **BACKBOX:** SINGLE GANG ELECTRICAL BOX • **WEIGHT:** (3 oz.) (0.187 lbs.) (0.08 kg.) **IV. FEATURES AND SPECIFICATIONS FOR AUDIO RECORDING INTERFACE MODULE <u>LOUROE IF-8 OR EQUAL</u>** : **A. <u>FEATURES:</u>** • COMPATIBLE WITH ALL LOUROE MICROPHONES OR AS EQUAL. • CONTAINS TERMINAL BLOCKS FROM MICHROPHONE CONNECTIONS. • SUPPLIES 12DVC POWER TO THE MICHROPHONES. • DUAL OUTPUT (PER MICROPHONE) TO ACCOMADATE EITHER AN RCA INPUT OR 3.5MM INPUT CONNECTION TO DVR, IP NETWORK CAMERA, ETC. • GAIN ADJUST (EACH OUTPUT) TO PRECENT OVERDRIVING OR UNDERDRIVING THE AUDIO SIGNAL • 12VDS POWER SUPPLY. • RCA CONNECTOR CABLE AND MONO TO STEREO ADAPTERS. • AUDIO TEST SWITCH WITH INDICATOR LED TO ASSURE PRESENCE OF AUDIO. **B. <u>SPECIFICATIONS:</u>** • **INPUT:** 3-PIN TERMINAL BLOCK LINE LEVEL (0dB@1KOHMS) • **AUDIO INPUT IMPEDENCE:** 5kohm	

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• **AUDIO INPUT IMPEDENCE:** 600 ohm • **AUDIO GAIN:** +10Db • **DIMENSIONS:** 11 ½ "L x 4 ¾ "W x 1 ¼ " H **V. FEATURES AND SPECIFICATIONS FOR AUDIO DITRIBUTION AMPLIFIER LOUROE DA-4 OR EQUAL**: **A. FEATURES:** • ONE AUDIO INPUT FOUR AUDIO OUTPUTS (RCA). • POWER JACK FOR APPLYING 12VDC POWER. • 120V/12VDC POWER SUPPLY INCLUDED • GAIN ADJUSTS FOR EACH AUDIO OUTPUT. • LED POWER INDICATOR. **B. SPECIFICATIONS:** • **TYPE OF AUDIO INPUT CONNECTION (1):** RCA • **TYPE OF AUDIO OUTPUT CONNECTION (4):** RCA • **MAXIMUM GAIN (PER OUTPUT):** +15dB • **OUTPUT:** LINE LEVEL (0dB @ 1KW) • **POWER INPUT:** 12 VDC, 500 Ma • **DIMENSIONS**: 6 1/8" L x 4 5/8"W x 1 7/8"H **VI. FEATURES AND SPECIFICATIONS FOR SMOKE DETECTOR COVERT COLOR CAMERA MODEL# VITEK VT-SMKC1/H OR EQUAL:** **A. FEATURES:**	

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• 1/3" SONY HIGH DENSITY EXVIEW CCE IMAGE. • MINIMUM ILLUMINATION OF 0.3 LUX • CAMERA MOUNTED TO ADJUSTABLE GIMBAL. • 3.6 MM STANDARD LENS. • DIMENSIONS: 5.12" (OD) X 2.29" (H). **B. <u>SPECIFICATIONS:</u>** • **IMAGE DEVICE:** 1/3" SONY HIGH DENSITY EXVIEW CCD. • **EFFECTIVE PIXELS:** 768 x 492 • **RESOLUTION VIDEO STANDARD:** 550 TV LINES • **MINIMUM ILLUMINATION:** 0.3 LUX • **S/N RATIO:** MORE THAN 48Db • **ELECTRIC SHUTTER:** 1/60 TO 1/100,00 SEC. • **AGC:** ON • **SYNC. MODE:** INTERNAL SYNC. • **SCANNING SYSTEM:** 2:1 INTERLACE • **GAMMA CORRECTION:** 0.45 • **HORIZONTAL SYNC. FREQUENCY:** 15.734KHz • **VERTICAL SYNC. FREQUENCY:** 60Hz • **VIDEO OUTPUT:** COMPOSITE 1.0 Vp-p /75 ohm • **POWER SOURCE:** 12VDC • **POWER CONSUMPTION:** 300MA • **STANDARD LENS:** F3.6mm (OPTIONAL 2.8mm TO 25mm AVAILABLE)	

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• **DIMENSIONS:** 5.12" x 2.29" (130 X 58mm) **VII. FEATURES & SPECIFICATIONS FOR CCTV MONITOR MODEL# VTM-LED170P <u>OR EQUAL</u>:** • **<u>FEATURES SHALL INCLUDE:</u>** • PROFESSIONAL GRADE DISPLAY DESIGNED FOR 24/7 CONTINUOUS USE IN SECURITY APPLICATIONS • HDMI, VGA, AND DUAL LOOPING BNC COMPOSITE VIDEO INPUTS & STEREO AUDIO INPUT. • RESOLUTION UP TO 1280 X 1024 (SXGA). • ULTRA HIGHVIDEOS MORE DYNAMIC CONTRASTS. • 3D COMB FILTER. • PICTURE IN PICTURE (PIP) / (POP) DISPLAY. • FRONT PANEL CONTROLS. • VESA 75MM STANDARD MOUNTING. • 50,000 HOUR PANEL LIFE. **A. <u>SPECIFICATIONS:</u>** • **SCREEN SIZE**: 17" • **DISPLAY TYPE:** LED • **ASPECT RATIO:** 4:3 • **RESOLUTION:** SXGA (1280x1024) • **RESPONSE TIME:** <5ms • **CONTRAST RATIO:** 10,000:1 • **DISPLAY COLOR:** 16.7 MILLION	

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• **BRIGHTNESS:** 300cd/m2 • **PIXEL TYPE:** ACTIVE MATRIX TFT • **PIXEL PITCH:** 0.26 (H) x 0.264 (V) • **VIEWING ANGLE (HORIZONTAL/VERTICAL):** 170/160 DEGREES • **VIEWING SYSTEM:** NTSC/PAL • **VIDEO IN/OUT:** 2 BNC INPUTS/2 BNC OUTPUTS (LOOPING) • **VGA IN:** 1 (15PIN D-SUB) • **HDMI IN:** 1 • **AUDIO INPUT:** STEREO RCA & 1/8" PC • **BUILT IN SPEAKER:** (1.5W x 2) • **PIP / POP:** ANALOG / DIGITAL • **POWER CONSUMPTION:** 20W MAX • **CERTIFICATIONS:** UL, FCC-DOC, CE, ROHS • **DIMENSIONS:** 15.16" x 15.12" x 6.50" **VIII. <u>WARRANTY:</u>** 12 MONTHS PARTS AND LABOR	